

PATENT Customer No. 22,852 Attorney Docket No. 7787.0061-00

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re App	lication of:	
John Fitz	gerald KOKAI-KUN et al.	Group Art Unit: 1645
Application	on No.: 10/724,194	Examiner: To Be Assigned
Filed: De	ecember 1, 2003	)
FC	ALL TEICHOIC ACID AS A TARGET ) OR ANTI-STAPHYLOCOCCAL )	) ) )

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

#### INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application. Copies of the listed documents are attached.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed

documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Dated: May 27, 2004

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		U.S. PATEN	T DOCUMENTS	•	•	
Examiner Initial*	Document Number	' Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
OLEGI	5,571,511	11-5-96	Fischer	424	165.1	3-28-94
AAY 2 7 2004 LL	5,955,074	9-21-99	Fischer	424	130.1	6-2-95
A 1 1 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6,610,293	8-26-03	Fischer et al.	424	133.1	6-15-98

TRADEM		FOREIGN PATE	NT DOCUMENT	s		
7	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
Abachin, E. et al., "Formation of D-alanyl-lipoteichoic Acid Is Required for Adhesion and Virulence of Listeria Monocytogenes," <i>Mol. Microbiol.</i> , Vol. 43, 2002, pp. 1-14.
Aly, R. et al., "Role of Teichoic Acid in the Binding of <i>Staphylococcus aureus</i> to Nasal Epithelial Cells," <i>J. Infect. Dis.</i> , Vol. 141, 1980, pp. 463-65.
Aly, R. et al., "Adherence of <i>S. aureus</i> to Squamous Epithelium: Role of Fibronectin and Teichoic Acid," <i>Rev. of Infect. Dis.</i> , Vol. 9, 1987, pp. S341-S350.
Augustin, J. et al., "Transformation of <i>Staphylococcus epidermidis</i> and Other Staphylococcal Species with Plasmid DNA by Electroporation," <i>FEMS Microbiol. Lett.</i> , Vol. 66, 1990, pp. 203-08.
Ausubel, F.M. et al., Current Protocols in Molecular Biology, John Wiley and Sons, New York, NY 1990.
Bartal and Hirshaut, "Current Methods in Hybridoma Formation," <i>Methods of Hybridoma Formation</i> , Bartal and Hirshaut, eds., Humana Press, Clifton, New Jersey (1987).
Bibel, D.J. et al., "Importance of the Keratinized Epithelial Cell in Bacterial Adherence," <i>J. Invest. Derm.</i> , Vol. 79, 1982, pp. 250-53.
Borrebaeck, C.A.K., <i>Antibody Engineering</i> , 2 <sup>nd</sup> ed., Oxford University Press, NY, 1995.

Examiner	miner Date Considered	
*Examiner:	Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
Bracha, R. et al., "Defect in Biosynthesis of the Linkage Unit Between Peptidoglycan and Teichoic Acid in a Bacteriophage-Resistant Mutant of <i>Staphylococcus aureus</i> ," <i>J. Bacteriol.</i> , Vol. 134, 1978, pp. 412-17.
Bruckner, R., "Gene Replacement in Staphylococcus carnosus and Staphylococcus xylosus," FEMS Microbiol. Lett., Vol. 151, 1997, pp. 1-8.
Chang, F.Y. et al., "Staphylococcus aureus Nasal Colonization and Association with Infections in Liver Transplant Recipients," Transplantation, Vol. 65, 1998, pp. 1169-72.
Chapoutot, C. et al., "Staphylococcus aureus Nasal Carriage in 104 Cirrhotic and Control Patients, A Prospective Study," J. Hepatol., Vol. 30, 1999, pp. 249-53.
Chatfield, C. et al., "Mupirocin-Resistant <i>Staphylococcus aureus</i> in a Specialist School Population," <i>J. Hosp. Infect.</i> , Vol. 26, 1994, pp. 273-78.
Chatterjee, A.N., "Use of Bacteriophage-Resistant Mutants to Study the Nature of the Bacteriophage Receptor Site of <i>Staphylococcus aureus</i> ," <i>J. Bacteriol.</i> , Vol. 98, 1969, pp. 519-27.
Chatterjee, A.N. et al., "Properties of a Novel Pleiotropic Bacteriophage-Resistant Mutant of Staphylococcus aureus H," J. Bacteriol., Vol. 100, 1969, pp. 846-53.
Cole, A.M. et al., "Cationic Polypeptides Are Required for Antibacterial Activity of Human Airway Fluid," <i>J. Immunol.</i> , Vol. 169, 2002, pp. 6985-91.
Coley, J. et al., "The Presence of N-acetylglucosamine 1-phosphate in the Linkage Unit That Connects Teichoic Acid to Peptidoglycan in <i>Staphylococcus aureus</i> ," <i>FEBS Lett.</i> , Vol. 80, 1977, pp. 405-07.
Collins, L.V. et al., "Staphylococcus aureus Strains Lacking D-alanine Modifications of Teichoic Acids Are Highly Susceptible to Human Neutrophil Killing and Are Virulence Attenuated in Mice," J. Infect. Dis., Vol. 186, 2002, pp. 214-19.
Cookson, B., "Mupirocin Resistance in Staphylococci," <i>J. Antimicrob. Chemother.</i> , Vol. 25, 1990, pp. 497-503.
Corbella, X. et al., "Staphylococcus aureus Nasal Carriage as a Marker for Subsequent Staphylococcal Infections in Intensive Care Unit Patients," Eur. J. Clin. Microbiol. Infect. Dis., Vol. 16, 1997, pp. 351-57.
Cundell, D.R. et al., "Streptococcus pneumoniae Anchor to Activated Human Cells by the Receptor for Platelet-Activating Factor," Nature, Vol. 377, 1995, pp. 435-38.
Dawson, S. et al., "Mupirocin-Resistant MRSA," J. Hosp. Infect., Vol. 28, 1994, pp. 75-78.

Examiner	Examiner Date Considered	
*Examiner:	Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
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·	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Doebbeling, B.N. et al., "Elimination of <i>Staphylococcus aureus</i> Nasal Carriage in Health Care Workers: Analysis of Six Clinical Trials with Calcium Mupirocin Ointment," <i>Clin. Infect. Dis.</i> , Vol. 17, 1993, pp. 466-74.
	Dziewanowska, K. et al., "Fibronectin Binding Protein and Host Cell Tyrosine Kinase Are Required for Internalization of <i>Staphylococcus aureus</i> by Epithelial Cells," <i>Infect. Immun.</i> , Vol. 67, 1999, pp. 4673-78.
. \	Dziewanowska, K. et al., "Staphylococcal Fibronectin Binding Protein Interacts with Heat Shock Protein 60 and Integrins: Role in Internalization by Epithelial Cells," <i>Infect. Immun.</i> , Vol. 68, 2000, pp. 6321-28.
	Endl, J. et al., "Chemical Composition and Structure of the Cell Wall Teichoic Acids of Staphylococci," <i>Arch. Microbiol.</i> , Vol. 135, 1983, pp. 215-23.
	Entrez Pub Med Database for Complete <i>S. aureus</i> Genome Sequences Available at http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=nucleotide&list_uids=29165615&dopt=GenBank&term=SA0702&qty=1.
	Exley, A.R. et al., "Monoclonal Antibody to TNF in Severe Septic Shock," Lancet, Vol. 335, 1990, pp. 1275-77.
	Fattom, A. et al., "Capsular Polysaccharide Serotyping Scheme for <i>Staphylococcus epidermidis</i> ," <i>J. Clin. Micro.</i> , Vol. 30, 1992, pp. 3270-73.
	Fierobe, L. et al., "Methicillin-Resistant <i>Staphylococcus aureus</i> as a Causative Agent of Postoperative Intra-abdominal Infection: Relation to Nasal Colonization," <i>Clin. Infect. Dis.</i> , Vol. 29, 1999, pp. 1231-38.
	Fischer, W., "Lipoteichoic Acid and Teichoic Acid Biosynthesis: Targets of New Antibiotics?," <i>New Targets for New Antimicrobial Agents</i> , Spektrum Akademischer Verlag, Heidelberg, Germany, Hakenbeck, R., ed., 1997, pp. 47-50.
	Fitzgerald, S.N. et al., "Molecular Analysis of the <i>tagF</i> Gene, Encoding CDP-glycerol:poly(glycerophosphate) Glycerophosphotransferase of <i>Staphylococcus epidermidis</i> ATCC 14990," <i>J. Bacteriol.</i> , Vol. 182, 2000, pp. 1046-52.
	Fleer, A. et al., "Septicemia Due to Coagulase-Negative Staphylococci in a Neonatal Intensive Care Unit: Clinical and Bacteriological Features and Contaminated Parenteral Fluids as a Source of Sepsis," <i>Pediatr. Infect. Dis.</i> , Vol. 2, 1983, pp. 426-31.
	Foster, T.J., "Molecular Genetic Analysis of Staphylococcal Virulence," <i>Methods Microbiol.</i> , Vol. 27, 1998, pp. 433-54.

Examiner		Date Considered		
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
 Frebourg, N. et al., "Evidence for Nasal Carriage of Methicillin-Resistant Staphylococci Colonizing Intravascular Devices," <i>J. Clin. Micro.</i> , Vol. 37, 1999, pp. 1182-85.
Genarro, A. (ed.), <i>Remington's Pharmaceutical Sciences</i> , 18 <sup>th</sup> Edition, Mack Publishing, Easton, PA, 1990.
Greene, C. et al., "Adhesion Properties of Mutants of <i>Staphylococcus aureus</i> Defective in Fibronectin-Binding Proteins and Studies on the Expression of <i>fnb</i> Genes," <i>Mol. Microbiol.</i> , Vol. 17, 1995, pp. 1143-52.
Gross, M. et al., "Key Roll of Teichoic Acid Net Charge in <i>Staphylococcus aureus</i> Colonization of Artificial Surfaces," <i>Infection and Immunity</i> , Vol. 69, 2001, pp. 3423-26.
Harlow, E. et al., <i>Antibodies: A Laboratory Manual</i> , 1988, Cold Spring Harbor Press, Cold Spring Harbor, NY, pp. 141-243.
Hiramatsu, K., "Vancomycin-Resistant <i>Staphylococcus aureus</i> : A New Model of Antibiotic Resistance," <i>Lancet Infect. Dis.</i> , Vol. 1, 2001, pp. 147-55.
Hussain, M. et al., "Teichoic Acid Enhances Adhesion of <i>Staphylococcus epidermidis</i> to Immobilized Fibronectin," <i>Microb. Pathog.</i> , Vol. 31, 2001, pp. 261-70.
Kluytmans, J. et al., "Nasal Carriage of <i>Staphylococcus aureus</i> : Epidemiology, Underlying Mechanisms, and Associated Risks," <i>Clin. Micro. Rev.</i> , Vol. 10, 1997, pp. 505-20.
Kluytmans, J.A. et al., "Reduction of Surgical-Site Infections in Cardiothoracic Surgery by Elimination of Nasal Carriage of <i>Staphylococcus aureus</i> ," <i>Infect. Control. Hosp. Epidem.</i> , Vol. 17, 1996, pp. 780-85.
Kojima Y. et al., "Antibody to the Capsular Polysaccharide/Adhesin Protects Rabbits Against Catheter-Related Bacteremia Due to Coagulase-Negative Staphylococci," <i>J. Infect. Dis.</i> , Vol. 162, 1990, pp. 435-41.
Kokai-Kun, J.F. et al., "Lysostaphin Cream Eradicates <i>Staphylococcus aureus</i> Nasal Colonization in a Cotton Rat Model," <i>Antimicrob. Agents. Chemother.</i> , Vol. 47, 2003, pp. 1589-97.
Kuroda, M. et al., "Whole Genome Sequencing of Meticillin-resistant <i>Staphylococcus aureus</i> ," <i>Lancet</i> , Vol. 357, 2001, pp. 1225-40.
Lazarevic, V. et al., "The tagGH Operon of <i>Bacillus subtilis</i> 168 Encodes a Two-Component ABC Transporter Involved in the Metabolism of Two Wall Teichoic Acids," <i>Mol. Microbiol.</i> , Vol. 16, 1995, pp. 345-55.

Examiner		Date Considered .
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	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Lee, J.C., "The Prospects for Developing a Vaccine Against Staphylococcus aureus," Trends in
4 .	Micro., Vol. 4, 1996, pp. 162-66.
	Lee, YL. et al., "Nasal Colonization by <i>Staphylococcus aureus</i> in Active, Independent Community Seniors," <i>Age Ageing</i> , Vol. 28, 1999, pp. 229-32.
	LoBuglio A.F. et al., "Mouse/Human Chimeric Monoclonal Antibody in Man: Kinetics and Immune Response," <i>P.N.A.S.</i> , Vol. 86, 1989, pp. 4220-24.
. \.	Majcherczyk, P.A. et al., "Teichoic Acids Are Not Required for <i>Streptococcus pneumoniae</i> and <i>Staphylococcus aureus</i> Cell Walls to Trigger the Release of Tumor Necrosis Factor by Peripheral Blood Monocytes," <i>Infect. Immun.</i> , Vol. 71, 2003, pp. 3707-13.
	Marples, R.R. et al., "Prevalence of Mupirocin Resistance in Staphylococcus aureus," J. Hosp. Infect., Vol. 29, 1995, pp. 153-55.
	Martin, J. et al., "A Randomized Clinical Trial of Mupirocin in the Eradication of <i>Staphylococcus aureus</i> Nasal Carriage in Human Immunodeficiency Virus Disease," <i>J. Infect. Dis.</i> , Vol. 180, 1999, pp. 896-99.
	Mattsson, E. et al., "Peptidoglycan and Teichoic Acid from <i>Staphylococcus epidermidis</i> Stimulate Human Monocytes to Release Tumor Necrosis Factor-α, Interleukin-1β, and Interleukin-6, "FEMS Immunol. Med. Microbiol., Vol. 7, 1993, pp. 281-88.
	Mauël, C. et al., "The Essential Nature of Teichoic Acids in <i>Bacillus subtilis</i> as Revealed by Insertional Mutagenesis," <i>Mol. Gen. Genet.</i> , Vol. 215, 1989, pp. 388-94.
	Merkus, F.W. et al., "Cyclodextrins in Nasal Drug Delivery," <i>Advan. Drug Deliv. Rev.,</i> Vol. 36, 1999, pp. 41-57.
	Mest, D.R. et al., "Nasal Colonization with Methicillin-Resistant <i>Staphylococcus aureus</i> on Admission to Surgical Intensive Care Unit Increases the Risk of Infection," <i>Anesth. Analg.</i> , Vol. 78, 1994, pp. 644-50.
	Natsume, H. et al., "Screening of Cationic Compounds as an Absorption Enhancer for Nasal Drug Delivery," <i>Int. J. Pharma.,</i> Vol. 185, 1999, pp. 1-12.
	Neuhaus, F.C. et al., "The <i>dlt</i> Operon in the Biosynthesis of D-alanyl-lipoteichoic Acid in <i>Lactobacillus casei</i> ," <i>Microb. Drug Resist.</i> , Vol. 2, 1996, pp. 77-84.
	Nguyen, M.H. et al., "Nasal Carriage of and Infection with <i>Staphylococcus aureus</i> in HIV-Infected Patients," <i>Ann. Int. Med.</i> , Vol. 130, 1999, pp. 221-25.

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	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Niewiesk, S. et al., "Diversifying Animal Models: The Use of Hispid Cotton Rats (Sigmodon hispidus) in Infectious Diseases," Lab. Anim., Vol. 36, 2002, pp. 357-72.
	Novick, R.P., "Genetic Systems in Staphylococci," <i>Methods Enzymol.</i> , Vol. 204, 1991, pp. 587-636.
	Palaniyar, N. et al., "Pulmonary Innate Immune Proteins and Receptors That Interact with Gram-Positive Bacterial Ligands," <i>Immunobiology</i> , Vol. 205, 2002, pp. 575-94.
-	Park, J.T. et al., "Mutants of Staphylococci with Altered Cell Walls," Ann. N.Y. Acad. Sci., Vol. 236, 1974, pp. 54-62.
	Patrick, C.C., "Coagulase-Negative Staphylococci: Pathogens with Increasing Clinical Significance," <i>J. Pediatr.</i> , Vol. 116, 1990, pp. 497-507.
	Peacock, S.J. et al., "What Determines Nasal Carriage of Staphylococcus aureus?," Trends Microbiol., Vol. 9, 2001, pp. 605-610.
	Peiser L. et al., "Scavenger Receptors in Innate Immunity," Curr. Opin. Immunol., Vol. 14, 2002, pp. 123-28.
	Peschel, A. et al., "Analysis of the <i>Staphylococcus epidermidis</i> Genes <i>epiF</i> , - <i>E</i> , and - <i>G</i> Involved in Epidermin Immunity," <i>J. Bacteriol.</i> , Vol. 178, 1996, pp. 531-36.
	Peschel, A. et al., "Inactivation of the <i>dlt</i> Operon in <i>Staphylococcus aureus</i> Confers Sensitivity to Defensins, Protegrins and Other Antimicrobial Peptides," <i>J. Biol. Chem.</i> , Vol. 274, 1999, pp. 8405-10.
	Peschel, A. et al., "Staphylococcus aureus Resistance to Human Defensins and Evasion of Neutrophil Killing Via the Novel Virulence Factor MprF Is Based on Modification of Membrane Lipids with L-lysine," J. Exp. Med., Vol. 193, 2001, pp. 1067-76.
	Pollack, J.H. et al., "Changes in Wall Teichoic Acid During the Rod-Sphere Transition of <i>Bacillus subtilis</i> 168," <i>J. Bacteriol.</i> , Vol. 176, 1994, pp. 7252-59.
	Pooley, H.M. et al., "Teichoic Acid Synthesis in <i>Bacillus subtilis</i> : Genetic Organization and Biological Roles," <i>Bacterial Cell Wall</i> , Elsevier Science B.V., Ghuysen, JM. and Hakenbeck, R. (eds.), Amsterdam, The Netherlands, 1994, pp. 187-97.
	Pooley, H.M. et al., "CDP-glycerol:poly(glycerophosphate) Glycerophosphotransferase, Which Is Involved in the Synthesis of the Major Wall Teichoic Acid in <i>Bacillus subtilis</i> 168, Is Encoded by tagF (rodC)," J. Bacteriol., Vol. 174, 1992, pp. 646-49.

Examiner		Date Considered	
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	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Prince, G.A. et al., "The Pathogenesis of Respiratory Syncytial Virus Infection in Cotton Rats," <i>Am. J. Pathol.</i> , Vol. 93, 1978, pp. 771-83.
	Ramkissoon-Ganorkar, C. et al., "Modulating Insulin-Release Profile from pH/Thermosensivite Polymeric Beads Through Polymer Molecular Weight," <i>J. Contr. Release</i> , Vol. 59, 1999, pp. 287-98.
	Romero-Vivas, J. et al., "Mortality Associated with Nosocomial Bacteremia Due to Methicillin-Resistant <i>Staphylococcus aureus</i> ," <i>Clin. Infect. Dis.</i> , Vol. 21, 1995, pp. 1417-23.
	Sambrook, J. et al., <i>Molecular Cloning: A Laboratory Manual</i> , 2 <sup>nd</sup> Ed., 1989, Cold Spring Harbor Press, Cold Spring Harbor, NY.
	Schägger, H. et al., "Tricine-sodium Dodecyl Sulfate-polyacrylamide Gel Electrophoresis for the Separation of Proteins in the Range from 1 to 100 kDa," <i>Anal. Biochem.</i> , Vol. 166, 1987, pp. 368-79.
6	Schwab, U.E. et al., "Increased Adherence of <i>Staphylococcus aureus</i> from Cystic Fibrosis Lungs to Airway Epithelial Cells," <i>Am. Rev. Respir. Dis.</i> , Vol. 148, 1993, pp. 365-69.
	Shulman, M. et al., "A Better Cell Line for Making Hybridomas Secreting Specific Antibodies," <i>Nature</i> , Vol. 276, 1978, pp. 269-70.
	Smith, R.L. et al., "Quantitation of Glycosaminoglycan Hexosamine Using 3-methyl-2-benzothiazolone Hydrazone Hydrochloride," <i>Anal. Biochem.</i> , Vol. 98, 1979, pp. 478-80.
-	Soane, R.J. et al., "Evaluation of the Clearance Characteristics of Bioadhesive Systems in Humans," <i>Int. J. Pharm.</i> , Vol. 178, 1999, pp. 55-65.
	Soldo, B. et al., "tagO Is Involved in the Synthesis of All Anionic Cell-Wall Polymers in Bacillus subtilis 168," Microbiology, Vol. 148, 2002, pp. 2079-87.
	Soldo, B. et al., "Characterization of a <i>Bacillus subtilis</i> Thermosensitive Teichoic Acid-Deficient Mutant: Gene <i>mnaA</i> ( <i>yvyH</i> ) Encodes the UDP- <i>N</i> -acetylglucosamine 2-epimerase," <i>J. Bacteriol.</i> , Vol. 184, 2002, pp. 4316-20.
	Soto, N. et al., "Bacitracin Versus Mupirocin for <i>Staphylococcus aureus</i> Nasal Colonization," <i>Infect. Cont. Hosp. Epidem.</i> , Vol. 20, 1999, pp. 351-53.
	Suzuki, Y. et al., "Mucosal Drug Delivery Using Cellulose Derivative as a Functional Polymer," J. Control. Release, Vol. 62, 1999, pp. 101-07.
	Takeda S. et al., "Protection Against Endocarditis Due to Staphylococcus epidermidis by Immunization with Capsular Polysaccharide/Adhesin," Circulation, Vol. 86, 1991, pp. 2539-46.

Examiner		Date Considered .
		considered, whether or not citation is in conformance with MPEP 609; draw line not in conformance and not considered. Include copy of this form with next applicant.
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	Teti G. et al., "Mediation of Staphylococcus saprophyticus Adherence to Uroepithelial Cells by Lipoteichoic Acid," Infect. Immun., Vol. 55, 1987, pp. 839-42.		
	Timmerman, C.P. et al., "Characterisation and Functional Aspects of Monoclonal Antibodies Specific for Surface Proteins of Coagulase-Negative Staphylococci," <i>J. Med. Micro.</i> , Vol. 35, 1991, pp. 65-71.		
	Travis, S.M. et al., "Antimicrobial Peptides and Proteins in the Innate Defense of the Airway Surface," <i>Curr. Opin. Immunol.</i> , Vol. 13, 2001, pp. 89-95.		
	von Eiff, C. et al., "Nasal Carriage as a Source of <i>Staphylococcus aureus</i> Bacteremia," <i>N. Eng. J. Med.</i> , Vol. 344, 2001, pp. 11-16.		
	Ward, T.T., "Comparison of <i>in Vitro</i> Adherence of Methicillin-Sensitive and Methicillin-Resistant <i>Staphylococcus aureus</i> to Human Nasal Epithelial Cells," <i>J. Infect. Dis.</i> , Vol. 166, 1992, pp. 400-404.		
·	White, A. et al., "Nasal Reservoir as the Source of Extranasal Staphylococci," <i>Antimicrob. Agent. Chem.</i> , Vol. 3, 1963, pp. 679-83.		
	Wolz, C. et al., "Agr-Independent Regulation of Fibronectin-Binding Protein(s) by the Regulatory Locus sar in Staphylococcus aureus," Mol. Microbiol., Vol. 36, 2000, pp. 230-43.		
	Yokoyama, Y. et al., "Systemic Immune Response to Streptococcal and Staphylococcal Lipoteichoic Acids in Children with Recurrent Tonsillitis," <i>Acta Otolaryngol.</i> (Stockh), Suppl. 523, 1996, pp. 108-11.		
	Yokoyama, K. et al., "Structure and Functions of Linkage Unit Intermediates in the Biosynthesis of Ribitol Teichoic Acids in <i>Staphylococcus aureus</i> H and <i>Bacillus subtilis</i> W23," <i>Eur. J. Biochem.</i> , Vol. 161, 1986, pp. 479-89.		

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